

Project Name: BAGO-MARAGLE ESM
Project Code: BGM_ESM **Site ID:** 1004 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	P. Ryan	Locality:	
Date Desc.:	13/12/94	Elevation:	1163 metres
Map Ref.:	Sheet No. : 8526 DGPS	Rainfall:	No Data
Northing/Long.:	6054682 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	602307 Datum: AGD66	Drainage:	Well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	Probable
Geol. Ref.:	SGGH	Substrate Material:	Granodiorite

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	10 %	Aspect:	315 degrees

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Acidic Mesotrophic Red Kandosol Thin Slightly gravelly Clay-loamy Clayey Deep		Principal Profile Form:	Gn2.11
ASC Confidence:		Great Soil Group:	Red earth

All necessary analytical data are available.

Site Disturbance: No effective disturbance. Natural

Vegetation:

Surface Coarse Fragments:

Profile Morphology

O1	0 - 0.01 m	Organic Layer; ;
A1	0.01 - 0.08 m	Dark brown (7.5YR3/2-Moist); Biological mixing, 10-20% , Faint; Clay loam, sandy; Moderate grade of structure, 2-5 mm, Polyhedral; Rough-ped fabric; Moderately moist; Weak consistence; Moderately plastic; Slightly sticky; 2-10%, medium gravelly, 6-20mm, rounded tabular, dispersed, Granodiorite, coarse fragments; Field pH 5.5 (pH meter); Many, very fine (0-1mm) roots; Common, fine (1-2mm) roots; Few, medium (2-5mm) roots; Abrupt, Smooth change to -
A3	0.08 - 0.17 m	Dark brown (7.5YR3/2-Moist); Biological mixing, 10-20% , Faint; Light clay; Strong grade of structure, 5-10 mm, Polyhedral; 100-200 mm, Lenticular; Rough-ped fabric; Moderately moist; Weak consistence; Moderately plastic; Slightly sticky; 2-10%, coarse gravelly, 20-60mm, rounded tabular, dispersed, Granodiorite, coarse fragments; Field pH 5.5 (pH meter); Common, very fine (0-1mm) roots; Clear, Wavy change to -
B1	0.17 - 0.29 m	Dark reddish brown (5YR3/4-Moist); Biological mixing, 2-10% , Faint; Light clay; Moderate grade of structure, 5-10 mm, Polyhedral; 100-200 mm, Lenticular; Smooth-ped fabric; Moderately moist; Weak consistence; Very plastic; Moderately sticky; Few cutans, <10% of ped faces or walls coated, faint; Field pH 5.5 (pH meter); Few, very fine (0-1mm) roots; Gradual, Smooth change to -
B21	0.29 - 0.75 m	Yellowish red (5YR4/6-Moist); Biological mixing, 0-2% , Faint; Light clay; Massive grade of structure; Earthy fabric; Moderately moist; Weak consistence; Very plastic; Moderately sticky; 0-2%, medium gravelly, 6-20mm, angular, dispersed, Quartz, coarse fragments; Field pH 5 (pH meter); Few, very fine (0-1mm) roots; Few, fine (1-2mm) roots; Diffuse, Smooth change to -
B22	0.75 - 0.93 m	Yellowish red (5YR4/6-Moist); ; Coarse sandy clay loam; Massive grade of structure; Earthy fabric; Moderately moist; Weak consistence; Moderately plastic; Moderately sticky; 20-50%, cobbly, 60-200mm, subrounded, stratified, Granodiorite, coarse fragments; Field pH 5.5 (pH meter); Gradual, Irregular change to -
B3	0.93 - 1.16 m	Strong brown (7.5YR5/6-Moist); Substrate influence, 2-10% , Faint; Coarse sandy clay loam; Massive grade of structure; Sandy (grains prominent) fabric; Moderately moist; Weak consistence; Slightly plastic; Slightly sticky; Field pH 5.5 (pH meter);
C	1.16 - 1.41 m	Light yellowish brown (10YR6/4-Moist); ; Clayey coarse sand;

Morphological Notes

B3 Two pieces of slightly weathered granodiorite mark top of this horizon. Rest of horizon

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Observation Notes

Site Notes

VI/1.11 ALPINE ASH THINNING TRIAL

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[illegible]

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Laboratory Analyses Completed for this profile

15_NR	Sum of Ex. cations + Ex. acidity - Not recorded
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble
15E1_H	Exchangeable H - by compulsive exchange, no pretreatment for soluble salts
15E1_K	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MG	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_NA	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
2A1	Air-dry moisture content
4A1	pH of 1:5 soil/water suspension
4B2	pH of 1:5 soil/0.01M calcium chloride extract - following Method 4A1
6B2	Total organic carbon - high frequency induction furnace, volumetric
7A2	Total nitrogen - semimicro Kjeldahl , automated colour
9A3	Total Phosphorus (ppm) - semimicro kjeldahl, automated colour
P10_GRAV	Gravel (%)
P3A1	Bulk density - g/cm3